

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number  
**WO 2004/095806 A2**

(51) International Patent Classification<sup>7</sup>: **H04L 29/08**,  
29/06, 12/58, G06F 9/45

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(21) International Application Number:  
PCT/GB2004/001685

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(22) International Filing Date: 19 April 2004 (19.04.2004)

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0308991.9 17 April 2003 (17.04.2003) GB

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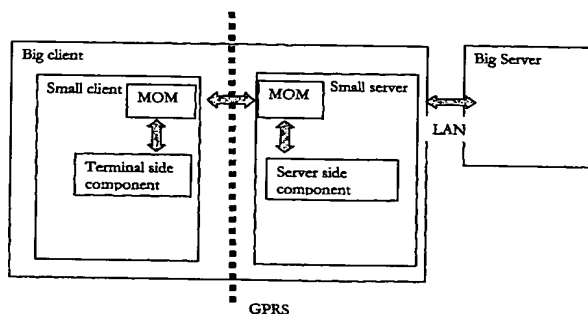
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(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-  
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG).

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(54) Title: A DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION

The Small Client can include a terminal-side component, plus the client side MOM; the  
Small Server can also include a server-side component, plus the server side MOM:



(57) Abstract: The present invention envisages a data access, replication or communications system comprising a software application that is distributed across a terminal-side component running on a terminal and a server-side component; in which the terminal-side component and the server-side component (i) together constitute a client to a server and (ii) collaborate by sending messages using a message queuing system over a network. Hence, we split (i.e. distribute) the functionality of an application that serves as the client in a client-server configuration into component parts that run on two or more physical devices that communicate with each other over a network connection using a message queuing system, such as message oriented middleware. The component parts collectively act as a client in a larger client-server arrangement, with the server being, for example, a mail server. We call this a 'Distributed Client' model. A core advantage of the Distributed Client model is that it allows a terminal, such as mobile device with limited processing capacity, power, and connectivity, to enjoy the functionality of full-featured client access to a server environment using minimum resources on the mobile device by distributing some of the functionality normally associated with the client onto the server side, which is not so resource constrained.



**Published:**

— without international search report and to be republished  
upon receipt of that report

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